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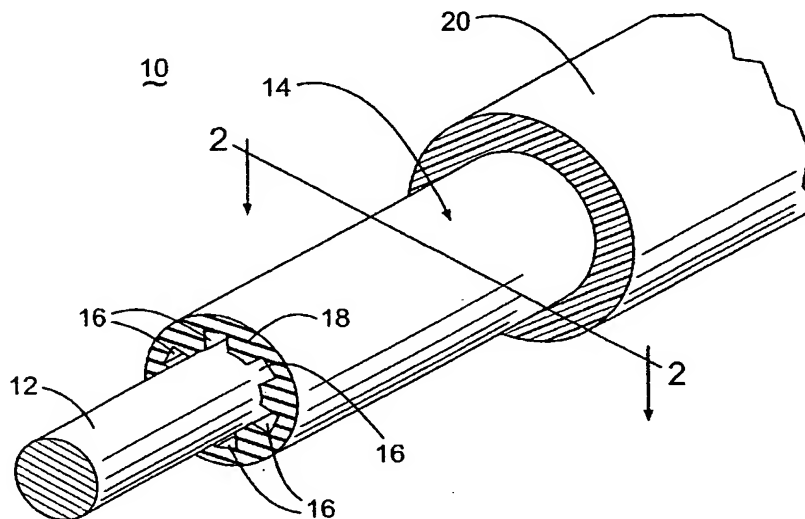
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(54) Title: COMMUNICATION WIRE



(57) Abstract: The present invention relates to an improved insulated conductor with a low dielectric constant and reduced materials costs. The conductor (12) extends along a longitudinal axis and an insulation (14, 14') surrounds the conductor (12). At least one channel (16, 16') in the insulation (14, 14') extends generally along the longitudinal axis to form an insulated conductor. Apparatuses and methods of manufacturing the improved insulated conductors are also disclosed.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Int Application No
PCT/US 03/28040

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01B7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 504 397 A (J. W. MARSH) 5 September 1893 (1893-09-05)	1,2,4-7
A	page 1, line 33 -page 2, line 65; figures 1,2,4,9	8-27
A	EP 1 081 720 A (PIRELLI CAVI E SISTEMI SPA) 7 March 2001 (2001-03-07) column 5, line 57 -column 7, line 24; figure 1	1-27

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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